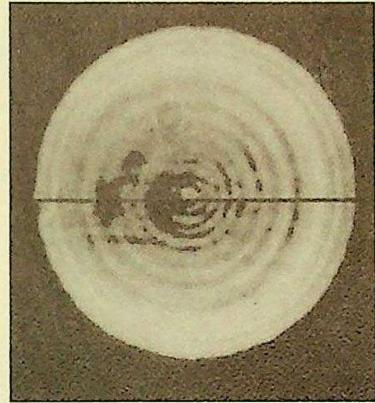
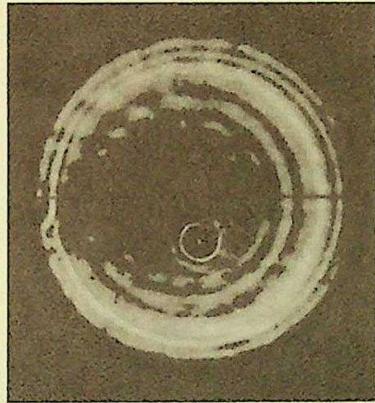
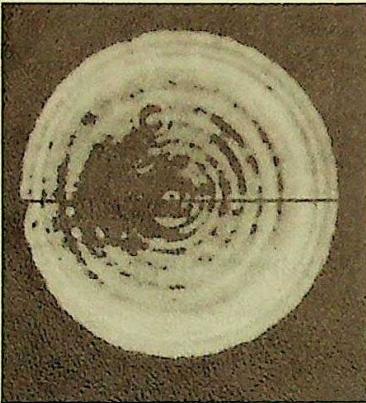


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## LASER PRODUCTS SHORT-FORM CATALOG

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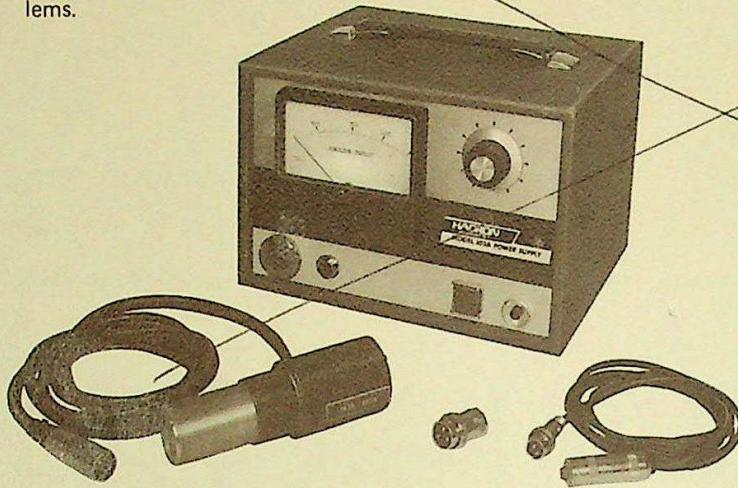
**HADRON<sup>®</sup>**

800 Shames Drive, Westbury, New York 11590 Telephone: (516) 334-4402, Telex: 961-420

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## MODEL 103A MINILASER SYSTEM

The T03A Minilaser System is a versatile lightweight laser that produces repeatable outputs of controlled energy. Designed primarily for the student or researcher whose requirements involve the techniques of laser technology, this system can easily be adapted for use in solving optical, biological, and many other laboratory and industrial problems.



### SPECIFICATIONS

Wavelength	6943 Å or 1.06 μm
Pulse Length	200 μsec (approx)
Repetition Rate Uncooled	1 ppm
Energy Input	230 joules (max)
Energy Output	200 to 800 millijoules (nom)
Beam Diameter	4 to 5 mm
Beam Divergence	10 milliradians (nom)
Dimensions	
Laser Head	2 inches diameter, 6 inches long (exclusive of cable)
Power Supply	7 1/4 x 9 1/16 x 10 1/16 inches
Weight	
Laser Head	12 ounces
Power Supply	24 pounds
Ruby	1/4 inch diameter, 1 1/2 inches long, coated

## MODEL 513 BIOLASER

The versatile 513 Biolaser offers the scientific, medical, industrial, and biological researcher a powerful tool for use in studies using microscopy. Specific areas of application are: cell microsurgery and coagulation, electric field interaction, pathology, genetics, resistor trimming, and other branches of microscopic research.

Adapters are available to permit simultaneous photography and irradiation of the specimen. Cinemicrography, time-lapse photography and closed-circuit television techniques can be applied to broaden the instrument's capabilities as a research tool.

### SPECIAL FEATURES

- The coherent light output of the Biolaser can be focused to spots as small as 1 micron
- A simple X-Y control permits precise spot positioning
- Triggering can be remote or by panel pushbutton

### SPECIFICATIONS

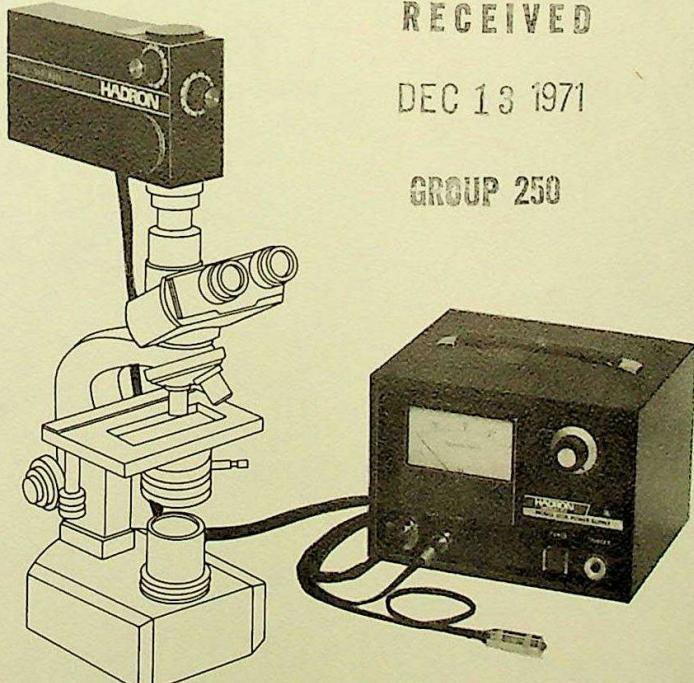
Flux Density on Stage	Up to $10^3$ joules/cm <sup>2</sup>
Wavelength	6943 Å or 10,600 Å
Energy per Pulse	Up to 800 Millijoules
Pulse Length	150 μsec
Repetition Rate	1 ppm
Microscopes	Models of AO, Leitz, Nikon, Unitron, Zeiss, Wild; adapters are available for other microscopes on request
Camera Adapter	25-millimeter side-mounted output tube adaptable to most cameras

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